AVATION

The Oldest American Aeronautical Magazine

SEPTEMBER 5, 1927

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SPECIAL FEATURES

NUMBER 10

WINNING BALLOON RACES WITH RADIO AID STOCK CONTROL IN AIRCRAFT MANUFACTURING QUANTITY PRODUCTION OF FAIRCHILD PONTOONS

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AVIATION

The Pitcairn Mailwing



HOH performence, manuscrability. The wing section employed as a special development of our framework.

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LAND TITLE BUILDING PHILADELPHIA



their first historic fight at Kitty Howk has there hear so much mubble interest as similares and florar arbana constants

This renewed public attention is giving a great impetus to consistently aviation. It is sife portation during the coming war than at any time during the whole butory of syntten. The moone of commercial solution depends upon the degree of solety which it attains There is no longer any oscotion about the safety of the surplane stell as a means of transnortation. It is quite generally recognized that a well constructed airplane is as safe as a fest class passenger train, providing both plane and motor are kept in perfect condition. The development of commercial aviation on a larger scale is chiefly, then, a question of mantenance. The planes reset be rapidly inspected before they are allowed to take of The motor must be knot in perfect running condition, in criping failure movitably means a forced landers and a nossolic coath. Above all, the motor must be correctly laborated.

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is the ideal behavior for versions motors. A record of 3.723,000 miles in the U. S. Air. Mad planes, without a single instance of engine fadure traceable to facility lubrication, has proved its quality. Searched Arm Oil may be obtained at reactically all landing fields throughout the

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NATIONAL AIR RACES September 23 and 24

and NATIONAL AIR DERBY RACE New York to Spokove SEPTEMBER 30 to 21

September 5, 1997

and PACIFIC COAST AIR DERBY RACE Sun Franction to Spokune SEPTEMBER 21

"The great importance of this race can be judged by the first prize money, \$10,000,"

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"—greater than the price money of my Politice uses

Low weather. Private covers and accounted ribes

ndrag enteragh memory to almost pay for a new modern airplane,"

Send Now for Entry Blanks!

See the highest master who ever held in the west. Control for all types of addressy and commercial airplanes. \$50,000 CASH PRIZES



Complete details for the events can be obtained from Major John T. Fancher, managing director National Air Derby Association of Spakeur, W. 818 Sprague Avenue, Sunkture, Washinston.

Contraction of 1989

Sentember 5, 1007



Forged and Divided Aluminum Main Crankcase

The Water at 1990 RPM Wester 650 Inc.

44 1900 R.P.M.

Press & Whitney engines feature a forzed instead of holts, one between each two evlinders The foreign increases the atreneth rays-fold and

diminates the danger of centing defects. The deserve divides the load equally between the two main beannas

Thus house feature as both the "Woso" and the "Hornet" has payed the way for buth powered, big displacement con-cooled radials and is making possible the broad onplication of this type of organi-



HARTEORO CONNECTICUT

DEPENDABLE ENGINES



Ailerons of Dual-Control Plane Equipped with 35 EKF Bearings

CEVENTY of these Consolidated Asset O craft, duel-control, planes are being buffe to train Uncle Sam's flaces. Not only in wideton, 35 PART Receives will be used on the control enck, aderons and other

Describbility and except Beauties have hunneoved on every exoch-moking fight in

BIGF INDUSTRIES, INC., 40 East 34th Street, New York City



Roller Bearings

Scatember 5, 1927

LORRAINE-DIETRICH AIRPLANE ENGINES





3.000 wales up 3 days, by Asymphost and Camil.

6.560 reflex in 6 days, 15 hours, Park-Polyton by Policytop-Deary and Coroll in a Browner

6,500 miles in 9 days, (9 stops) Telon-Copen-

A Result of Vast Technical Experience Simple design and construction, economical maintenance and great reliability

known and most widely used in the heithers mounds which have reserved south arbitary, through the dolly routine which demands to truth of an engine and about

\$5,000 within in 200 hours of Sixto - Barrey De Proofe is a S. A. V. O. I. A. Svine best New York-Burnes Aires, by Deagues, Oliscon

and Coreposelli, in a S. A. V. O. L. A. Syeng boat, with a 450 H. P. engine. World's altitude record of 19,500 feet, by

Calling Spine a Mirrort-Stand with 450 H. P.

4,000 males on 41 hours 45 minutes, total times turn Done and Company to a Bone of week 15,000 miles in flying boot arrow Africa har

Creaties Smith Atlantic from Balama to San Francisco de Norobras, 1600 males un a noresten right flight of 17 hours, 30 migrates for

SOCIÉTÉ LORBAINE-DIETRICH

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NEWS ARTICLES AND ITEMS

Atlanto-New Orleans Contract Awarded Bids Opened for Three Air Max Routes

N.A.A. Conference at St. Joseph, Ma.

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With the Editor

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September 5, 1927



The Oldest American Aeronautical Magazine

SEPTEMBER 5, 1922 Number of Airelane Manufacturers

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MANEUVERABILITY

HE compact basic design, with close-coupled general arrangement, and conerous control surfaces ofer the "Consir" superior maneuversbilley. The powerful, easily operated controls result in positive and precise control at all specie, even below scalling 5 The "Corrate" will outly and out-manearer present service two single

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LONG ISLAND CITY, NEW YORK









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Critical Section 11,800 ft pres.
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September 5, 1921





AVIATION

September 5, 292

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Sixteen Entries for Bennett Cup Race



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Last of Government Mail Planes to be Sold



Recent Awards of the Aeronauties Branch

Atlanta-New Orleans Contract Awarded

Notice to Pilote

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N.A.A. Convention at St. Joseph. Mo.

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Sentender 5, 1997

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Air Program for Paris Legion Convention

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September 5, 1927

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Front view of the Glover Higher LV . Now how bond reviewing has been reduced by a reduced.

Winning Balloon Races With Radio Aid

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AVIATION Symposity 5, 1927

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AVIATION

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Strut Service Insugurates Short Tours the Stone Acc Services, Dr., of Detroit, Mach. Longou REWARD of \$300.00

will be paid to anyone giving bonafied information at to the whereabouts of a Waco Ten, equipped with OXX6 motor, number 6229, ship number 977. Air speed indicator tubes in right upper wing, in line on lower left side of rudder fuse-lage and cowling. Two tone green, alminum wings and tail surfaces. Motor equipped with two Scintilla magnetos, proposed to the company of the compan

This ship is the property of T. H. Gurley of Philadelphia, Pa., having been delivered to him at our flying field here August 17, 1927.

ADVANCE AIRCRAFT CO.



Inche Plane Ale Economica

Medals Asserded to de Pineda and Cabbon the gold model for the greatest air ashirvment of 2025 to ten of the award.

For Alex Cobbaca, the Switch files, sensiond the 2006 realst.

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Airplanes Used for Spraying in Canada Bids for Henry Construction in Surney Aires

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THE HAMILTON MONOPLANE. WHICH FINISHED SECOND IN THE FORD TOUR

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Contractors to the U.S. Aven and Many SIDNEY N Y

Sentember 5, 1927

AIRPORTS AND AIRWAYS

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. . . when Sea and Seaplane Meet !



PONTOONS

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argued recently from Daylon, Chin, with his Wines places which by completed there. A handway has been built on a Wanner City Ma.

SAFETY FIRST

Lieutepant Art. C. Goebel. the winner in the North America Hawaii Race used B G. MICA SPARK PLUGS. They are the SAFEST in flying and the CHEAPEST in service cost.

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